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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/682,519 09/13/2001		09/13/2001	Yu Wang	040489-0177 2614	
22428	7590	06/19/2006		EXAMINER	
FOLEY AN	ID LARE	NER LLP	ROJAS, BERNARD		
SUITE 500 3000 K STR	EET NW		ART UNIT	PAPER NUMBER	
WASHINGT	ON, DC	20007	2832		
				DATE MAIL ED: 06/19/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

		Appl	ication No.	Applicant(s)	
Office Asticus Communication			82,519	WANG, YU	
Oi	fice Action Summary	Exan	niner	Art Unit	
			ard Rojas	2832	
The Period for Rep	MAILING DATE of this commu ly	nication appears o	n the cover sheet v	with the correspondence a	ddress
WHICHEVE - Extensions of after SIX (6) N - If NO period for Failure to replay replay records	NED STATUTORY PERIOD F ER IS LONGER, FROM THE IN time may be available under the provision MONTHS from the mailing date of this com or reply is specified above, the maximum s by within the set or extended period for replayed beived by the Office later than three months term adjustment. See 37 CFR 1.704(b).	MAILING DATE O s of 37 CFR 1.136(a). In munication. tatutory period will apply y will, by statute, cause th	F THIS COMMUN no event, however, may a and will expire SIX (6) MO ne application to become A	IICATION.  The reply be timely filed  ENTHS from the mailing date of this abandoned (35 U.S.C. § 133).	•
Status					
2a)☐ This a 3)☐ Since	onsive to communication(s) filection is FINAL.  this application is in condition in accordance with the pract	2b)⊠ This action for allowance ex	is non-final. cept for formal ma	•	ne merits is
Disposition of	Claims				
4a) Of 5) ☐ Claim 6) ☑ Claim 7) ☐ Claim 8) ☐ Claim Application Pa 9) ☐ The sp 10) ☐ The di Applic	(s) 1-22,39 and 40 is/are pend the above claim(s) is/a (s) is/are allowed. (s) 1-22,39 and 40 is/are rejected to. (s) is/are objected to. (s) are subject to restrict pers Decification is objected to by the rawing(s) filed on is/are ant may not request that any objectement drawing sheet(s) including the or declaration is objected to the state of the restrict person is a sheet (s) including the or declaration is objected to the state of the restrict person is a sheet (s) including the or declaration is objected to the state of the restrict person is a sheet (s) including the or declaration is objected to the state of the restrict person is a sheet (s) including the or declaration is objected to the state of the restrict person is a sheet (s) including the person is a sheet (s) including the or declaration is objected to the state of the restrict person is a sheet (s) including the person is a	are withdrawn from the ction and/or election e Examiner.  a) accepted of the ction to the drawing the correction is region.	n consideration.  on requirement.  or b)  objected to g(s) be held in abeya equired if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 (	• •
Priority under	35 U.S.C. § 119				
a)	wledgment is made of a claim b) Some * c) None of: Certified copies of the priority Certified copies of the priority Copies of the certified copies application from the Internation attached detailed Office action	documents have documents have of the priority doc onal Bureau (PCT	been received. been received in cuments have bee Rule 17.2(a)).	Application No n received in this Nationa	al Stage
2) Notice of Dra 3) Information D	erences Cited (PTO-892) ftsperson's Patent Drawing Review (I Disclosure Statement(s) (PTO-1449 or Mail Date		Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application (P <sup>*</sup>	ГО-152)

## **DETAILED ACTION**

## Response to Arguments

Applicant's arguments with respect to claims 1-22, 39 and 40 have been considered but are moot in view of the new ground(s) of rejection.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 7-11, 14, 19-21 and 39-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Whittaker et al. [US 6,739,568] in view of van Oort [US 5,923,235].

Claim 1, Whittaker et al. discloses an open style MRI [16] located a on a vibration isolation system [10] mounted in the structure of a building [14, col. 2 lines 47-61].

Whittaker et al. fails to teach that the MRI is a clam-shell MRI magnet system. van Oort discloses an open style, clam-shell MRI magnet system (figure 1).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use the MRI as taught by van Oort since Whittaker et al. discloses that the vibration isolation system is used to isolate a structure from the vibrations of an MRI [col. 2 lines 47-61].

Claims 7 and 19, Whittaker et al. discloses an open MRI system, wherein the vibration isolation system is secured to a floor and the MRI magnet system is attached over the vibration isolation system [figure 1].

Claims 8 and 20, Whittaker et al. discloses an open MRI system, wherein the vibration isolation system is configured within a footprint of the MRI magnet system.

Claim 9, Whittaker et al. discloses the open MRI system of claim 1, further comprising a structural holder positioned between the vibration isolation system and the MRI magnet system [figures 1 and 2].

Claims 10 and 21, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the vibration isolation system as shown by Whittaker et al. for a preexisting MRI magnet system by merely installing the isolation system into the floor and place the MRI onto the system.

Claim 11, Whittaker et al. discloses the open MRI system of claim 10, wherein the vibration isolation system is mounted on posts such that MRI magnet system supports do not contact a floor of a site where the MRI magnet system is located [figure 1].

Claim 14, van Oort discloses an open magnet assembly with a floor mount comprising:

- a first assembly mounted about a first longitudinally-extending and generally-vertically-aligned axis including'.
  - at least one superconducting main coil (26) positioned around the axis; and
  - a vacuum enclosure (24) enclosing the at least one superconductive main coil;

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- a second assembly mounted about a second longitudinally-extending and

generally-vertically-aligned axis coaxially aligned with the first axis and spaced

longitudinally apart from and disposed below the first assembly, the second assembly

including:

- at least one superconducting main coil (30) positioned around the axis; and

- a vacuum enclosure (28) enclosing the at least one superconductive main coil;

and

- at least one support beam (32) external to the first and second vacuum

enclosures having a first end attached to the first assembly and a second end attached

to the second assembly.

Claim 39, van Oort discloses the open MRI system of claim 1, wherein the open

clam-shell MRI magnet system comprises a vertically aligned MRI magnet system

[figure 1].

Claim 40, van Oort discloses the open MRI system of claim 39, wherein the

vertically- aligned, open clam-shell MRI magnet system comprises: a first magnet

assembly containing a first superconductive coil [24]; a second magnet assembly

containing a second superconductive coil [30]; and only two support members [32]

supporting the second magnet assembly over the first magnet assembly, wherein the

two support members are not diametrically aligned to a diameter line of the first and the

second magnet assemblies [figure 1].

Claims 2-4, 12-13, I 5-17 and 22 are rejected under 35 U.S.C. 103la) as being

unpatentable over Whittaker et al. [US 6,739,568] in view of van Oort [US 5,923,235],

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as applied to claims 1, 7-11, 14, 19-21 and 39-40 above, and further in view of Ohsaki [US 6,202,492].

Whittaker et al. in view of van Oort discloses the instant claimed invention except for the isolators being adjustable and actively pneumatically controlled.

Ohsaki discloses a surface [6] being supported by adjustable actively controlled pneumatic isolators [4a-d, column 5, lines 1-12].

It would have been obvious to one having ordinary skill in the art at the time the invention was made to the isolator design of Ohsaki for the isolators of Whittaker et al. in view of van Oort for the purpose of accommodating variations in the operating environment.

The specific frequencies, Q-factors, bandwidth, etc. of the control would have been obvious design considerations based on the specific application and environment of use.

Claims 5-6 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Whittaker et al. [US 6,739,568] in view of van Oort [US 5,923,235], as applied to claims 1 and 14 above, and further in view of Braun [US 4,781,363].

Whittaker et al. in view of van Oort discloses the instant claimed invention except for the use of balance weights on the isolators.

Braun discloses the use of balance weights [9] mounted on an isolator.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use balance weights on the isolators of Whittaker et al. in view of van Oort, for the purpose of accommodating unexpected balance shifts.

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Conclusion

Any inquiry concerning this communication or earlier communications from the

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examiner should be directed to Bernard Rojas whose telephone number is (571) 272-

1998. The examiner can normally be reached on M-F 8-4:00), every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Elvin G. Enad can be reached on (571) 272-1990. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

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ELVIN ENAD SUPERVISORY PATENT EXAMINER

04/12/a